Project Title	Funding	Strategic Plan Objective	Institution
Using zebrafish and chemical screening to define function of autism genes	$399,999	Q4.S.B	Whitehead Institute for Biomedical Research
Quantitative analysis of craniofacial dysmorphology in autism	$137,861	Q1.S.A	University of Massachusetts Medical School
The microRNA pathway in translational regulation of neuronal development	$376,031	Q2.S.D	University of Massachusetts Medical School
Communicative and emotional facial expression production in children with autism	$212,250	Q2.Other	University of Massachusetts Medical School
Behavioral and sensory evaluation of auditory discrimination in autism	$151,692	Q2.Other	University of Massachusetts Medical School
Multimodal analyses of face processing in autism & down syndrome	$156,083	Q2.Other	University of Massachusetts Medical School
Relational stimulus control management in neurodevelopmental disabilities	$212,250	Q4.S.G	University of Massachusetts Medical School
Contingency analyses of observing and attending in intellectual disabilities	$298,293	Q4.S.G	University of Massachusetts Medical School
Contingency manipulation in discrete trial interventions for children with autism	$212,250	Q4.Other	University of Massachusetts Medical School
Guiding visual attention to enhance discrimination learning	$146,861	Q4.Other	University of Massachusetts Medical School
Stimulus overselectivity in visual discrimination: Analysis and remediation (supplement)	$265,928	Q4.Other	University of Massachusetts Medical School
Leadership Education in Neurodevelopmental Disabilities	$779,256	Q5.L.C	University of Massachusetts Medical School
A multi-site clinical randomized trial of the Hanen More Than Words Intervention	$0	Q4.S.D	University of Massachusetts Boston
The neural basis of sexually dimorphic brain function	$343,502	Q2.S.B	University of Massachusetts Amherst
Training school speech-language pathologists to assess and manage communication skills in children with autism	$199,183	Q5.Other	University of Massachusetts Amherst
Does mercury and neurotension induce mitochondrial DNA release from human mast cells and contribute to auto-immunity in ASD?	$40,000	Q2.S.A	Tufts University
The effect of mercury and neuropeptide triggers on human mast cell release of neurotoxic molecules	$5,000	Q2.S.A	Tufts University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$149,965	Q1.L.B	Trustees of Boston University
Grant to purchase tissue freezer and coil to allow for phophorous magnetic resonance spectroscopy	$30,445	Q7.Other	Treatment Research and Neuroscience Evaluation of Neurodevelopmental Disorders (TRANSCEND) Research Laboratory, Massachusetts General Hospital
Comprehensive collection, charting, and communication system	$249,297	Q5.Other	Symtrend, Inc.
Prosodic and pragmatic processes in highly verbal children with autism	$149,999	Q1.L.C	President & Fellows of Harvard College
The brain genomics superstruct project	$150,000	Q2.S.G	President & Fellows of Harvard College

Project Title	Funding	Strategic Plan Objective	Institution
Behavioral intervention in autism: Practitioner skills	$518,113	Q5.L.C	Praxis, Inc.
Functional money skills readiness training: Teaching relative values	$370,740	Q5.Other	Praxis, Inc.
Review of the literature on selenocysteine metabolism and selenoproteins in autism	$3,000	Q2.Other	Northeastern University School of Pharmacy
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	$28,000	Q2.S.A	Northeastern University
Does thimerosal elicit a hormetic response?	$6,275	Q3.S.E	Northeastern University
Do animations facilitate symbol understanding in children with autism?	$199,996	Q4.S.G	Northeastern University
The Autism Curriculum Encyclopedia® (ACE®)	$47,500	Q4.Other	New England Center for Children, Inc.
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$20,000	Q1.L.B	New England Center for Children
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$300,000	Q1.L.B	Massachusetts Institute of Technology
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	$0	Q2.S.D	Massachusetts Institute of Technology
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Q2.Other	Massachusetts Institute of Technology
CAREER: Typical and atypical development of brain regions for theory of mind	$89,214	Q2.Other	Massachusetts Institute of Technology
Neural substrate of language and social cognition: Autism and typical development	$50,474	Q2.Other	Massachusetts Institute of Technology
Neural mechanisms for social cognition in autism spectrum disorders	$223,233	Q2.Other	Massachusetts Institute of Technology
Regulation of synaptogenesis by cyclin-dependent kinase 5	$342,454	Q2.Other	Massachusetts Institute of Technology
Neural and cognitive mechanisms of autism	$375,000	Q4.S.B	Massachusetts Institute of Technology
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$128,445	Q4.S.B	Massachusetts Institute of Technology
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$210,000	Q4.S.B	Massachusetts Institute of Technology
Using Drosophila to model the synaptic function of the autism-linked NHE9	$150,000	Q4.S.B	Massachusetts Institute of Technology
Dissecting the circuitry basis of autistic-like behaviors in mice	$175,000	Q4.S.B	Massachusetts Institute of Technology

Project Title	Funding	Strategic Plan Objective	Institution
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Q4.S.B	Massachusetts Institute of Technology
HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders	$175,362	Q4.S.F	Massachusetts Institute of Technology
Infrastructure support for autism research at MIT	$1,500,000	Q7.K	Massachusetts Institute of Technology
The role of the neurexin 1 gene in susceptibility to autism	$127,500	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$491,909	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$171,842	Q2.S.G	Massachusetts General Hospital
Role of Pam in synaptic morphology and function	$127,497	Q2.Other	Massachusetts General Hospital
MEG investigation of the neural substrates underlying visual perception in autism	$126,317	Q2.Other	Massachusetts General Hospital
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$125,000	Q2.Other	Massachusetts General Hospital
Analysis of the small intestinal microbiome of children with autism	$0	Q3.S.I	Massachusetts General Hospital
Genome-wide analyses of DNA methylation in autism	$400,000	Q3.S.J	Massachusetts General Hospital
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	$307,842	Q3.L.B	Massachusetts General Hospital
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	$0	Q3.L.B	Massachusetts General Hospital
A recurrent genetic cause of autism	$400,000	Q3.L.B	Massachusetts General Hospital
Comprehensive follow-up of novel autism genetic discoveries	$0	Q3.L.B	Massachusetts General Hospital
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	$83,403	Q3.L.B	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Autism Intervention Research Network on Physical Health (AIR-P network)	$3,651,425	Q4.S.A	Massachusetts General Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$155,063	Q4.S.B	Massachusetts General Hospital
Quality of life for children with autism spectrum disorders and their parents	$127,500	Q5.Other	Massachusetts General Hospital
Transition to adult services for youth with autism spectrum disorder	$256,917	Q6.L.A	Massachusetts General Hospital
Learning and compression in human working memory	$84,000	Q2.Other	Harvard University
Dimensions of mind perception	$112,584	Q2.Other	Harvard University
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$143,883	Q2.Other	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Rodeo: A platform for discovery and analysis of protein network motifs	$177,496	Q7.O	Harvard University
Maternal risk factors for autism in the Nurses Health Study II – a pilot study	$57,919	Q3.L.C	Harvard School of Public Health
Cortical mechanisms underlying visual motion processing impairments in autism	$0	Q2.Other	Harvard Medical School/McLean Hospital
Environmentally induced oxidative stress and altered local brain thyroid horomone metabolism: relevance to autism?	$25,000	Q2.S.A	Harvard Medical School; Brigham and Women's Hospital
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	$127,500	Q1.L.A	Harvard Medical School
Activity-dependent phosphorylation of MeCP2	$173,979	Q2.S.D	Harvard Medical School
Neuronal activity-dependent regulation of MeCP2	$437,522	Q2.S.D	Harvard Medical School
Neuronal activity-dependent regulation of MeCP2 (supplement)	$77,123	Q2.S.D	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis	$630,255	Q2.S.G	Harvard Medical School
Perturbed activity-dependent plasticity mechanisms in autism	$311,292	Q2.Other	Harvard Medical School
Population genetics to improve homozygosity mapping and mapping in admixed groups	$45,590	Q3.L.B	Harvard Medical School
Maternal dietary factors and risk of autism spectrum disorders	$0	Q3.L.C	Harvard Medical School
CPEA Data Coordinating Center (supplement)	$59,632	Q7.Other	DM-Stat, Inc.
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$161,094	Q2.S.D	Dana-Farber Cancer Institute

Project Title	Funding	Strategic Plan Objective	Institution
BDNF secretion and neural precursor migration	$0	Q2.Other	Dana-Farber Cancer Institute
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$47,288	Q2.Other	College of the Holy Cross
Randomized phase 2 trial of RAD001 (an MTOR inhibitor) in patients with tuberous sclerosis complex	$65,000	Q4.L.A	Childrens Hospital Boston
Signatures of gene expression in autism spectrum disorders	$75,000	Q1.L.A	Children's Hospital Boston
RNA expression studies in autism spectrum disorders	$250,000	Q1.L.A	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	$378,751	Q1.L.A	Children's Hospital Boston
Visual system connectivity in a high-risk model of autism	$0	Q2.S.D	Children's Hospital Boston
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	$531,624	Q2.S.D	Children's Hospital Boston
Understanding the cognitive impact of early life epilepsy	$845,000	Q2.S.E	Children's Hospital Boston
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$24,731	Q2.S.G	Children's Hospital Boston
The effects of Npas4 and Sema4D on inhibitory synapse formation	$0	Q2.Other	Children's Hospital Boston
The development of face processing	$512,804	Q2.Other	Children's Hospital Boston
Finding autism genes by genomic copy number analysis	$582,867	Q3.S.A	Children's Hospital Boston
Human autism genetics and activity dependent gene activation	$2,639,516	Q3.S.A	Children's Hospital Boston
RNA expression patterns in autism	$706,052	Q3.L.B	Children's Hospital Boston
Gene expression profiling of autism spectrum disorders	$0	Q3.L.B	Children's Hospital Boston
Uncovering genetic mechanisms of ASD	$127,500	Q3.L.B	Children's Hospital Boston
Finding recessive genes for autism spectrum disorders	$186,825	Q3.L.B	Children's Hospital Boston
Simons Simplex Collection Site	$483,393	Q3.L.B	Children's Hospital Boston
Developmental Behavioral Pediatrics Training Program	$192,467	Q5.L.C	Children's Hospital Boston
Leadership Education in Neurodevelopmental Disabilities	$755,326	Q5.L.C	Children's Hospital Boston
Mental Health/Disabilities (MHDD) Research Education Program	$154,942	Q7.K	Children's Hospital Boston
International Mental Health/Developmental Disabilities Research Training Program	$188,000	Q7.K	Children's Hospital Boston
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$1,723,105	Q3.S.A	Broad Institute
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$320,250	Q2.Other	Brandeis University
Delayed motor learning in autism	$338,740	Q4.Other	Brandeis University

Project Title	Funding	Strategic Plan Objective	Institution
Racial/ethnic disparities in family burden & health care of children with autism	$98,962	Q5.S.A	Brandeis University
Assessing a participant directed service system for low income children with ASD	$291,635	Q5.S.B	Brandeis University
Neurobehavioral research on infants at risk for SLI and autism	$691,847	Q1.L.A	Boston University Medical Campus
Autism: The neural substrates of language in siblings	$56,955	Q2.S.G	Boston University Medical Campus
Olivocerebellar circuitry in autism	$756,917	Q2.Other	Boston University Medical Campus
The neural substrates of repetitive behaviors in autism	$42,111	Q2.Other	Boston University Medical Campus
Computer adaptive testing of adaptive behavior of children and youth with autism	$284,375	Q1.S.A	Boston University
Novel methods for testing language comprehension in children with ASD	$82,537	Q1.S.B	Boston University
Neurophysiological investigation of language acquisition in infants at risk for ASD	$28,000	Q1.L.A	Boston University
Architecture of myelinated axons linking frontal cortical areas	$0	Q2.Other	Boston University
Use of a family navigator in families with children newly diagnosed with autism spectrum disorder	$299,906	Q5.S.A	Boston Medical Center
Developmental Behavioral Pediatrics Training Program	$192,467	Q5.L.C	Boston Medical Center
Supporting the well-being of families of young children with autism spectrum disorders	$399,994	Q5.Other	Boston Medical Center
Does training in acting foster theory of mind, empathy, and emotion regulation?	$99,785	Q4.Other	Boston College
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$112,327	Q2.S.E	Beth Israel Deaconess Medical Center
Recessive genes for autism and mental retardation	$148,856	Q3.L.B	Beth Israel Deaconess Medical Center
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$304,500	Q4.S.B	Beth Israel Deaconess Medical Center
Characterization of autism susceptibility genes on chromosome 15q11-13	$47,606	Q4.S.B	Beth Israel Deaconess Medical Center